



# Law Office of Michael A. Sanzo, LLC

*Practice Limited to Patent Law*

August 10, 2007

Commissioner of Patents  
U.S. Patent and Trademark Office  
Customer Service Window, **MS Amendment**  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Re: Information Disclosure Statement (IDS)  
Appl. No.: 10/575,386  
Filed: April 7, 2006  
Title: **Process for Preparing Enantiomer-Enriched  
Alpha-Hydroxycarboxylic Acids and Amides**  
Inventor(s): Drauz, *et al.*  
Our Ref: 7601/88091

Dear Sir:

The following documents are being forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Information Disclosure Statement;
2. PTO/SB/08a (list of references);
3. References B1, and C1-C11; and
4. Return Postcard.

**Applicants do not believe that any fee is due for the filing of the above documents. However, the Director is hereby authorized to charge any fee deficiency for this filing to our Deposit Account No. 50-4056 under Order No. 7601/88091.**

It is respectfully requested that the enclosed postcard be stamped with the date the enclosed documents are received by the PTO and that it be returned as soon as possible.

Very truly yours,

LAW OFFICE OF MICHAEL A. SANZO, LLC

*Michael A. Sanzo*

Michael A. Sanzo  
Reg. No. 36,912  
Attorney for Applicant

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of

Drauz, *et al.*

Appl. No: 10/575,386

Filed: April 7, 2006

For: **Process for Preparing Enantiomer-  
Enriched Alpha-Hydroxycarboxylic  
Acids and Amides**



Art Unit: 1632

Examiner: To be assigned

Atty. Dkt.: 7601/88091

Conf. No.: 8990

**Information Disclosure Statement**

Commissioner of Patents  
U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Submitted herewith is a listing of documents known to Applicants and/or their attorney in compliance with the requirements of 37 C.F.R. § 1.56. Some of these references were cited in the Search Report for corresponding International Application PCT/2004/011183. In order to facilitate review by the Examiner, US patents, published US patent applications, or other English language documents were substituted for relevant foreign references whenever possible. Copies of the listed documents, with the exception of United States patent references, are also enclosed.

Applicants do not waive any rights to appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the present application. This statement should not be construed as a representation that more material information does not exist or that an exhaustive search of the relevant art has been made. Consideration of the cited documents and making the same of record in the prosecution of the above-captioned application are respectfully requested.

Applicants do not believe any fees are due for the submission of this Information Disclosure Statement. However, the Director is hereby authorized to charge any fee deficiency to our Deposit Account No. 50-4056 under Order No. 7601/88091.

Respectfully submitted,

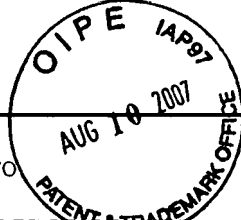
LAW OFFICE OF MICHAEL A. SANZO, LLC



By

\_\_\_\_\_  
Michael A. Sanzo  
Reg. No. 36,912  
Attorney for Applicants

Date: August 10, 2007  
15400 Calhoun Drive, Suite 125  
Rockville, Md. 20855  
(240)864-0915



PTO/SB/08a  
Substitute for Form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/575,386
Filing Date	April 7, 2006
First Named Inventor	DRAUZ, Karlheinz
Art Unit	1632
Examiner Name	To be assigned
Attorney Docket	7601/88091

Sheet 1 of 2

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup>			
	A1	US-5,089,411	02-18-1992	Hideaki Yamada	
	A2	US-5,130,235	07-14-1992	Nitto Chemical Industry Co.	
	A3	US-5,122,462	06-16-1992	Forschungszentrum Juelich	
	A4	US-5,177,242	01-05-1993	FMC Corporation	
	A5	US-5,200,331	04-06-1993	Kiyoshi Kawakami	
	A6	US-5,714,356	02-03-1998	DSM Chemie Linz GmbH	
	A7	US-5,736,385	04-07-1998	Nitto Chemical Industry Co.	
	A8	US-5,827,699	10-27-1998	Alexandr Stepanovich Yanenko	
	A9	US-5,866,379	02-02-1999	Novus International	
	A10	US-6,225,095	05-01-2001	Peter Pöchlauer	

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup>				
	B1	EP-0 445 646	09-11-1991	Nitto Chemical Industry		

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08b  
Substitute for Form 1449B/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

Application Number

10/575,386

Filing Date

April 7, 2006

First Named Inventor

DRAUZ, Karlheinz

Art Unit

1632

Examiner Name

To be assigned

Attorney Docket

7601/88019

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	International Search Report for PCT/EP2004/011183	
	C2	International Preliminary Examination Report for PCT/EP2004/011183	
	C3	EFFENBERGER, <i>et al.</i> , "Enzyme-Catalyzed Cyanohydrin Synthesis in Organic Solvents," <i>Angew. Chem. Int. Ed. Engl.</i> Vol.26 No.5 458-460 (1987)	
	C4	FADNAVIS, <i>et al.</i> , "An Unusual Reversible Sol-Gel Transition Phenomenon in Organogels and It's Application for Enzyme Immobilization in Gelatin Membranes," <i>Biotechnol. Prog.</i> 15:98-104 (1999)	
	C5	FÖRSTER, <i>et al.</i> , "The First Recombinant Hydroxynitrile Lyase and its Application in the Synthesis of (S)-Cyanohydrins," <i>Angew Chem. Int. Ed. Engl.</i> Vol. 35 No. 4 437-439 (1996)	
	C6	GILL, <i>et al.</i> , "Encapsulation of Biologicals within Silicate, Siloxane, and Hybrid Sol-Gel Polymers: An Efficient and Generic Approach," <i>J. Am. Chem. Soc.</i> 120: 8587-8598 (1998)	
	C7	GRIENGL, <i>et al.</i> , "The Synthesis of Chiral Cyanohydrins by Oxynitrilases," <i>TIBTECH Elsevier</i> Vol 18: 252-256 (June 2000)	
	C8	KOBAYASHI, <i>et al.</i> , "Metalloenzyme Nitrile Hydratase: Structure, Regulation, and Application to Biotechnology," <i>Nature Biotechnology</i> Vol. 16: 733-736 (August 1998)	
	C9	NIEDERMEYER, <i>et al.</i> , "Enzyme-Catalyzed Synthesis of (S)-Cyanohydrins," <i>Angew. Chem. Int. Ed. Engl.</i> Vol. 29 No. 4 386-387 (1990)	
	C10	OSPRIAN, <i>et al.</i> , "Biocatalytic Hydrolysis of Cyanohydrins: An Efficient Approach to Enantiopure $\alpha$ -hydroxy carboxylic acids," <i>Journal of Molecular Catalysis B: Enzymatic</i> Vol. 24-25: 89-98 (2003)	
	C11	YAMAMOTO, <i>et al.</i> , "Production of R(-)-Mandelic Acid from Mandelonitrile by <i>Alcaligenes faecalis</i> ATCC 8750," <i>Appl. Environ. Microbiol.</i> Vol.57 No. 10 3028-3032 (1991)	
Examiner Signature		Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.